

Connecting via Winsock to STN

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LOGINID:SSPTAJRK1626

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	AUG 10	Time limit for inactive STN sessions doubles to 40 minutes
NEWS	3	AUG 18	COMPENDEX indexing changed for the Corporate Source (CS) field
NEWS	4	AUG 24	ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS	5	AUG 24	CA/CAPLUS enhanced with legal status information for U.S. patents
NEWS	6	SEP 09	50 Millionth Unique Chemical Substance Recorded in CAS REGISTRY
NEWS	7	SEP 11	WPIDS, WPINDEX, and WPIX now include Japanese FTERM thesaurus
NEWS	8	OCT 21	Derwent World Patents Index Coverage of Indian and Taiwanese Content Expanded
NEWS	9	OCT 21	Derwent World Patents Index enhanced with human translated claims for Chinese Applications and Utility Models
NEWS	10	NOV 23	Addition of SCAN format to selected STN databases
NEWS	11	NOV 23	Annual Reload of IFI Databases
NEWS	12	DEC 01	FRFULL Content and Search Enhancements
NEWS	13	DEC 01	DGENE, USGENE, and PCTGEN: new percent identity feature for sorting BLAST answer sets
NEWS	14	DEC 02	Derwent World Patent Index: Japanese FI-TERM thesaurus added
NEWS	15	DEC 02	PCTGEN enhanced with patent family and legal status display data from INPADOCDB
NEWS	16	DEC 02	USGENE: Enhanced coverage of bibliographic and sequence information
NEWS	17	DEC 21	New Indicator Identifies Multiple Basic Patent Records Containing Equivalent Chemical Indexing in CA/CAPLUS
NEWS	18	JAN 12	Match STN Content and Features to Your Information Needs, Quickly and Conveniently
NEWS	19	JAN 25	Annual Reload of MEDLINE database
NEWS	20	FEB 16	STN Express Maintenance Release, Version 8.4.2, Is Now Available for Download
NEWS	21	FEB 16	Derwent World Patents Index (DWPI) Revises Indexing of Author Abstracts
NEWS	22	FEB 16	New FASTA Display Formats Added to USGENE and PCTGEN
NEWS	23	FEB 16	INPADOCDB and INPAFAMDB Enriched with New Content and Features

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NEWS HOURS      STN Operating Hours Plus Help Desk Availability
NEWS LOGIN      Welcome Banner and News Items
```

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FILE 'HOME' ENTERED AT 10:51:53 ON 10 MAR 2010

FILE 'REGISTRY' ENTERED AT 10:52:03 ON 10 MAR 2010
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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STRUCTURE FILE UPDATES:      9 MAR 2010   HIGHEST RN 1208308-34-2
DICTIONARY FILE UPDATES:    9 MAR 2010   HIGHEST RN 1208308-34-2
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New CAS Information Use Policies, enter HELP USAGETERMS for details.

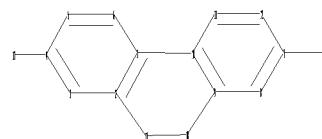
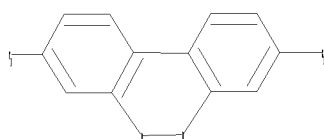
TSCA INFORMATION NOW CURRENT THROUGH January 8, 2010.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

```
=>
Uploading C:\Program Files\Stnexp\Queries\10574563\Struc 6.str
```



```

chain nodes :
13 14
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 17 18
chain bonds :
4-13 7-14
ring bonds :
1-2 1-6 1-10 2-3 2-17 3-4 4-5 5-6 7-8 7-12 8-9 9-10 9-18 10-11 11-12
17-18
exact/norm bonds :
1-10 2-17 4-13 7-14 9-18 17-18
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

```

G1:Cb,Cy,Hy

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS 17:Atom 18:Atom

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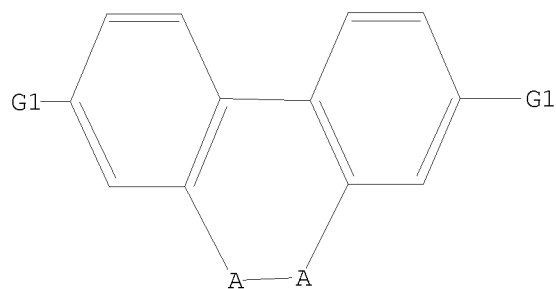
10574563b.trn

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



G1 Cb,Cy,Hy

Structure attributes must be viewed using STN Express query preparation.

=> l1

SAMPLE SEARCH INITIATED 10:52:19 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 240572 TO ITERATE

0.8% PROCESSED 2000 ITERATIONS

0 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**

BATCH **INCOMPLETE**

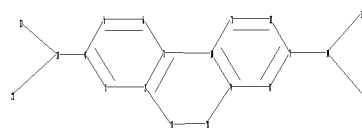
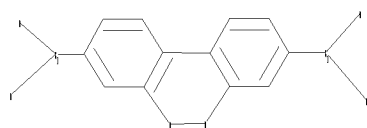
PROJECTED ITERATIONS: 4782636 TO 4840244

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=>

Uploading C:\Program Files\Stnexp\Queries\10574563\Struc 7.str



```

chain nodes :
13 14 19 20 21 22
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 17 18
chain bonds :
4-13 7-14 13-21 13-22 14-19 14-20
ring bonds :
1-2 1-6 1-10 2-3 2-17 3-4 4-5 5-6 7-8 7-12 8-9 9-10 9-18 10-11 11-12
17-18
exact/norm bonds :
1-10 2-17 4-13 7-14 9-18 13-21 13-22 14-19 14-20 17-18
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

```

G1:Cb,Cy,Hy

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS 17:Atom 18:Atom 19:CLASS 20:CLASS
21:CLASS 22:CLASS

```

10574563b.trn

L3 STRUCTURE UPLOADED

=> 13

SAMPLE SEARCH INITIATED 10:53:16 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 238698 TO ITERATE

0.8% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
 BATCH **INCOMPLETE**
PROJECTED ITERATIONS: 4745264 TO 4802656
PROJECTED ANSWERS: 0 TO 0

L4 0 SEA SSS SAM L3

=> log h

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.98	1.20

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 10:53:32 ON 10 MAR 2010

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTAJRK1626

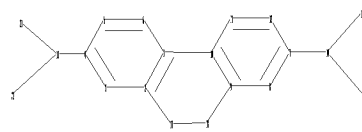
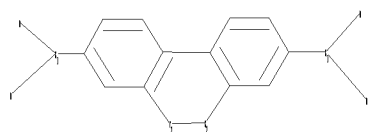
PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 10:56:20 ON 10 MAR 2010
FILE 'REGISTRY' ENTERED AT 10:56:20 ON 10 MAR 2010
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.47	1.69

=>

Uploading C:\Program Files\Stnexp\Queries\10574563\Struc 8.str



```

chain nodes :
13 14 19 20 21 22
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 17 18
chain bonds :
4-13 7-14 13-21 13-22 14-19 14-20
ring bonds :
1-2 1-6 1-10 2-3 2-17 3-4 4-5 5-6 7-8 7-12 8-9 9-10 9-18 10-11 11-12
17-18
exact/norm bonds :
1-10 2-17 4-13 7-14 9-18 13-21 13-22 14-19 14-20 17-18
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

```

G1:Cb,Cy,Hy

G2:C,O,N

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS 17:Atom 18:Atom 19:CLASS 20:CLASS
21:CLASS 22:CLASS

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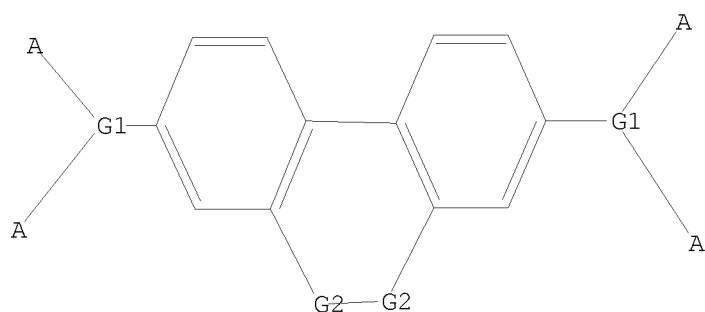
10574563b.trn

L5 STRUCTURE UPLOADED

=> d

L5 HAS NO ANSWERS

L5 STR



G1 Cb,Cy,Hy

G2 C,O,N

Structure attributes must be viewed using STN Express query preparation.

=> 15

SAMPLE SEARCH INITIATED 10:56:46 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 164811 TO ITERATE

1.2% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: 3272215 TO 3320225
PROJECTED ANSWERS: 0 TO 0

L6 0 SEA SSS SAM L5

=> log h

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
1.96	2.18

FULL ESTIMATED COST

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 10:57:07 ON 10 MAR 2010

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTAJRK1626

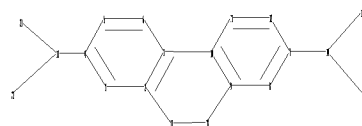
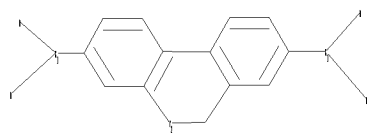
PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 10:58:09 ON 10 MAR 2010
FILE 'REGISTRY' ENTERED AT 10:58:09 ON 10 MAR 2010
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.96	2.18

=>

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chain nodes :
13 14 19 20 21 22
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 17 18
chain bonds :
4-13 7-14 13-21 13-22 14-19 14-20

10574563b.trn

ring bonds :
1-2 1-6 1-10 2-3 2-17 3-4 4-5 5-6 7-8 7-12 8-9 9-10 9-18 10-11 11-12
17-18
exact/norm bonds :
1-10 2-17 4-13 7-14 9-18 13-21 13-22 14-19 14-20 17-18
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

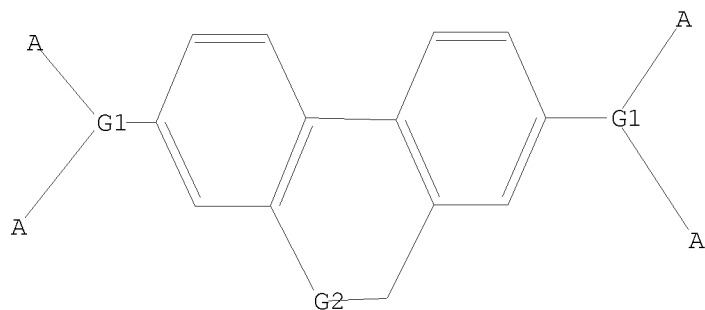
G1:Cb,Cy,Hy

G2:O,N

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS 17:Atom 18:Atom 19:CLASS 20:CLASS
21:CLASS 22:CLASS

L7 STRUCTURE UPLOADED

=> d
L7 HAS NO ANSWERS
L7 STR



G1 Cb,Cy,Hy

G2 O,N

Structure attributes must be viewed using STN Express query preparation.

=> 17
SAMPLE SEARCH INITIATED 10:58:29 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 48012 TO ITERATE

4.2% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 947149 TO 973331

10574563b.trn

PROJECTED ANSWERS: 0 TO 0

L8 0 SEA SSS SAM L7

=> 17 full

FULL SEARCH INITIATED 10:58:33 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 962552 TO ITERATE

100.0% PROCESSED 962552 ITERATIONS

11 ANSWERS

SEARCH TIME: 00.00.13

L9 11 SEA SSS FUL L7

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

193.50

193.72

FILE 'CAPLUS' ENTERED AT 10:58:50 ON 10 MAR 2010

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FILE COVERS 1907 - 10 Mar 2010 VOL 152 ISS 11

FILE LAST UPDATED: 9 Mar 2010 (20100309/ED)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2009

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2009

CAplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 19

L10 9 L9

=> d ibib abs hitstr 1-9

L10 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN

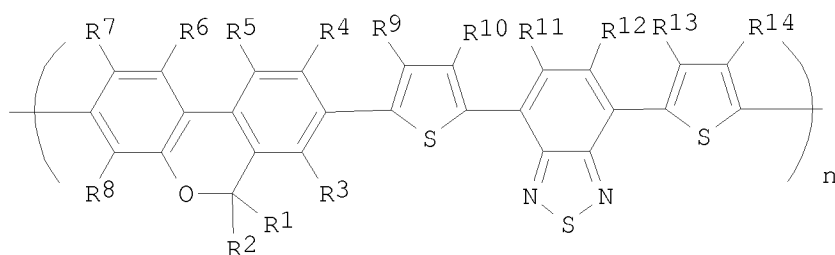
ACCESSION NUMBER: 2010:20478 CAPLUS

DOCUMENT NUMBER: 152:134053

TITLE: Organic photoelectric cells provided with dibenzopyran derivative copolymers
 INVENTOR(S): Uetani, Yasunori; Noguchi, Takanobu
 PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan
 SOURCE: PCT Int. Appl., 40pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010001984	A1	20100107	WO 2009-JP62172	20090626
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
JP 2010034494	A	20100212	JP 2009-6349	20090115
PRIORITY APPLN. INFO.:			JP 2008-170240	A 20080630
			JP 2009-6349	A 20090115

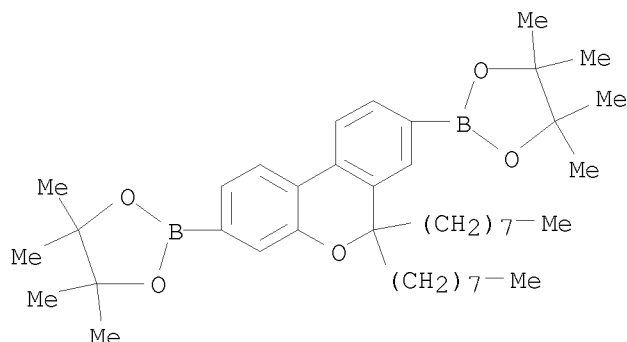
GI



I

AB The functional layer bound between a pair of electrodes in the title organic photoelec. cell comprises (1) an electron donor compound such as fullerene derivs. and (2) an organic semiconductive photoelec. polymer material [I: R1-14 = H, alkyl, alkoxyl, (substd.) aryl, H containing in any such groups may be substd. by F]. The organic photoelec. functional materials provides the photoelec. cells excellent photoelec. conversion efficiency.
 IT 688013-75-4
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (monomer, for organic semiconductive photoelec. polymer; organic photoelec. cells provided with dibenzopyran derivative copolymers)
 RN 688013-75-4 CAPLUS

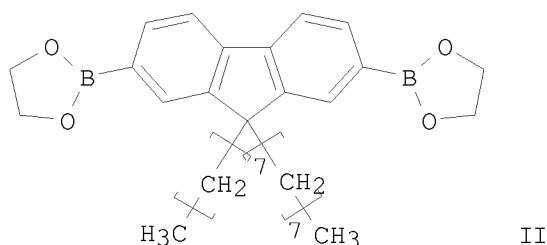
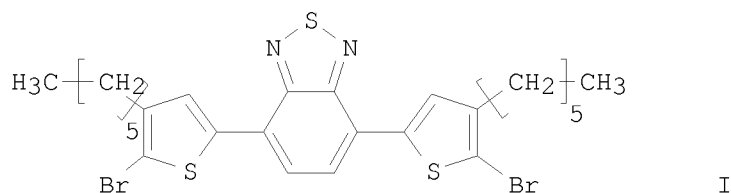
CN 6H-Dibenzo[b,d]pyran, 6,6-dioctyl-3,8-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)- (CA INDEX NAME)



REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2009:1533861 CAPLUS
 DOCUMENT NUMBER: 152:38288
 TITLE: Manufacture of poly(arylenevinylenes) for light-emitting materials
 INVENTOR(S): Noguchi, Kiminobu
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 49pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
JP 2009286890	A	20091210	JP 2008-140563	20080529
PRIORITY APPLN. INFO.:			JP 2008-140563	20080529
GI				



AB Title poly(arylenevinylene)s having structural repeating units (I)
 CA1:CAr2Ar1 (Ar1 = arylene, divalent heterocyclic group, divalent aromatic amine residue; A1, A2 = H, alkyl, aryl, monovalent heterocyclic group, monovalent aromatic amine residue) and (II) Ar2Ar3 (Ar2, Ar3 = arylene, divalent heterocyclic group, divalent aromatic amine residue) are manufactured by

(1) reaction of X1CA1:CA2X2 (A1, A2 = same as in I; X1, X2 = trialkylstannyl) with Y1Ar1Y2 (Ar1 = same as in I; Y1, Y2 = halo, alkylsulfonate, arylsulfonate, arylalkylsulfonate) in the presence of Pd catalysts in organic solvents and (2) reaction of the resulting reaction products with Y3Ar2Y4 (Ar2 = same as in II; Y3, Y4 = halo, alkylsulfonate, arylsulfonate, arylalkylsulfonate) and Y5Ar3Y6 (Ar3 = same as in II; Y5, Y6 = boric acid residue, boric acid ester residue) in the presence of Pd catalysts and bases in the organic solvents. The polymers are useful for electroluminescent materials, displays, transistors, and solar cells. Thus, I was treated with trans-1,2-bis(tributylstannyl)ethylene in the presence of dichlorobis(triphenylphosphine)palladium(II) in toluene and then with II and 5,5'-dibromo-2,2'-bithiophene in the presence of methyltriocetylammmonium chloride to give a polymer with polystyrene-based weight-average mol. weight 1.7×10^4 and polystyrene-based number-average mol.

weight

6.2×10^3 .

IT 1198601-25-0P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

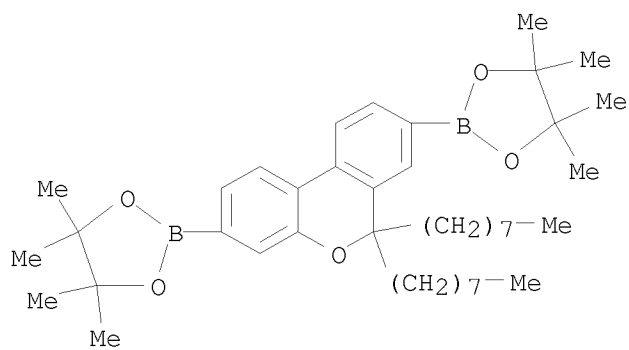
(easy manufacture of poly(arylenevinylene)s for light-emitting materials)

RN 1198601-25-0 CAPLUS

CN 1,4-Benzenediamine, N1,N4-bis(4-bromophenyl)-N1,N4-bis(4-butylphenyl)-, polymer with 3,8-dibromo-6,6-dioctyl-6H-dibenzo[b,d]pyran, 6,6-dioctyl-3,8-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-6H-dibenzo[b,d]pyran and 1,1'-(1E)-1,2-ethenediylbis[1,1,1-tributylstannane] (CA INDEX NAME)

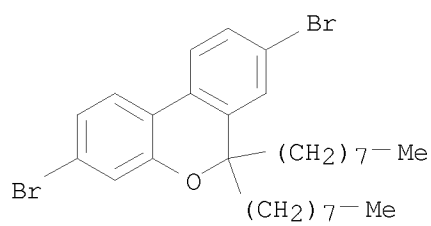
CM 1

CRN 688013-75-4
CMF C41 H64 B2 O5



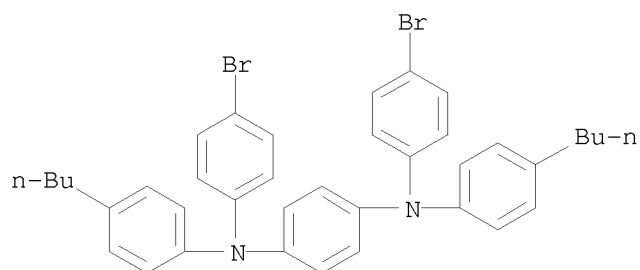
CM 2

CRN 688013-66-3
CMF C29 H40 Br2 O



CM 3

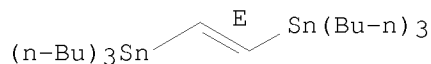
CRN 372200-89-0
CMF C38 H38 Br2 N2



CM 4

CRN 14275-61-7
 CMF C26 H56 Sn2

Double bond geometry as shown.



L10 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2009:422839 CAPLUS

DOCUMENT NUMBER: 150:427188

TITLE: Polyheteroarenes, their compositions and films,
 organic photoelectric converters and
 electroluminescent devices with their layers, and
 monomers for them

INVENTOR(S): Uetani, Yasunori; Noguchi, Kiminobu

PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokyo Koho, 51pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

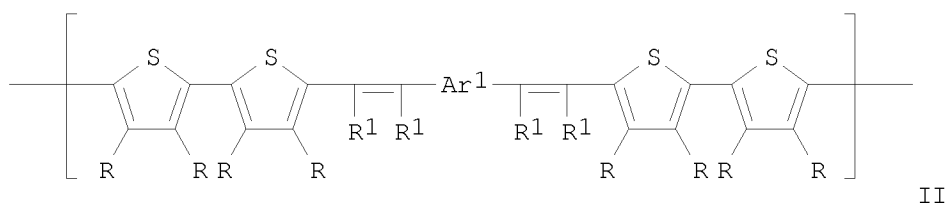
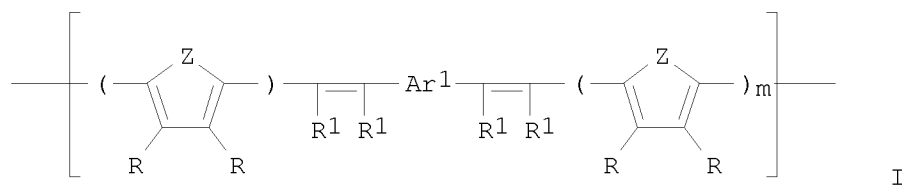
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2009073808	A	20090409	JP 2008-115201	20080425
PRIORITY APPLN. INFO.:			JP 2007-223698	A 20070830
OTHER SOURCE(S):	MARPAT	150:427188		

GI



AB The polyheteroarenes have structural repeating units represented by I (R =

H, alkyl, alkoxy, alkylthio, etc.; R1 = H, alkyl, alkoxy, aryl, cyano; Ar1 = arylene, heterocyclylene; Z = O, S; m, n = 2-4), preferably II (R, R1, Ar1 = same as above). Organic photoelec. converters, e.g., solar cells, have layers containing I show high photoelec. conversion efficiency. The photoelec. converters may also use fullerenes as electron acceptors.

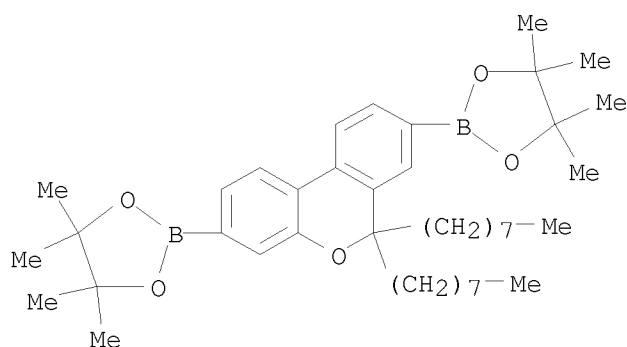
IT 688013-75-4P

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(manufacture of polyheteroarenes for organic photoelec. converters and electroluminescent devices from)

RN 688013-75-4 CAPLUS

CN 6H-Dibenzo[b,d]pyran, 6,6-dioctyl-3,8-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)- (CA INDEX NAME)



IT 1140830-09-6P

1140830-36-9P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(polyheteroarenes for organic photoelec. converters and electroluminescent devices)

RN 1140830-09-6 CAPLUS

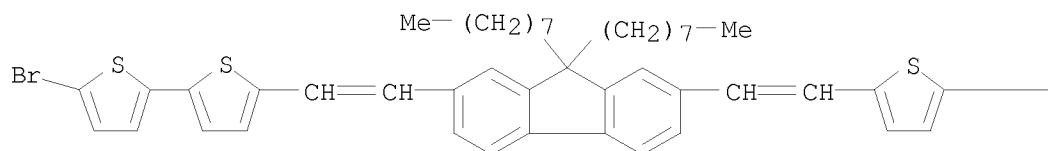
CN 6H-Dibenzo[b,d]pyran, 6,6-dioctyl-3,8-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-, polymer with 5,5'-[(9,9-dioctyl-9H-fluorene-2,7-diyl)di-2,1-ethenediyl]bis[5'-bromo-2,2'-bithiophene] (CA INDEX NAME)

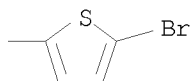
CM 1

CRN 1140829-98-6

CMF C49 H52 Br2 S4

PAGE 1-A

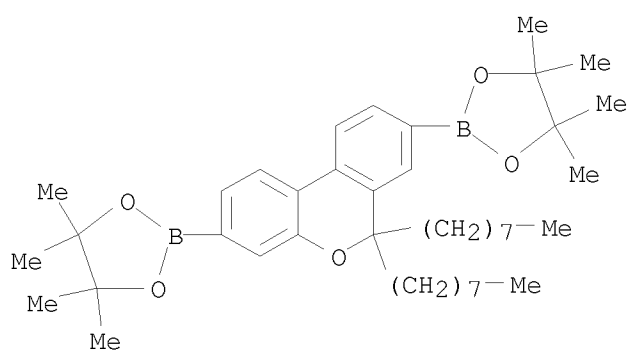




CM 2

CRN 688013-75-4

CMF C41 H64 B2 O5



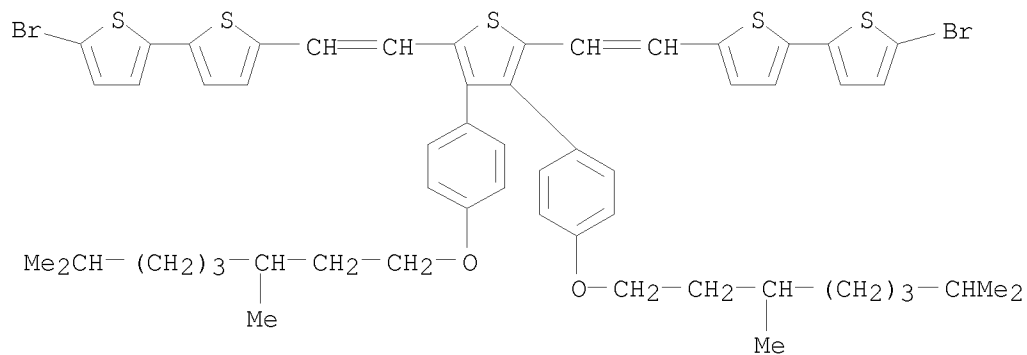
RN 1140830-36-9 CAPLUS

CN 6H-Dibenzo[b,d]pyran, 6,6-dioctyl-3,8-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-, polymer with 5,5'-[3,4-bis[4-[(3,7-dimethyloctyl)oxy]phenyl]-2,5-thiophenediyl]di-2,1-ethenediyl]bis[5'-bromo-2,2'-bithiophene] (CA INDEX NAME)

CM 1

CRN 1140830-33-6

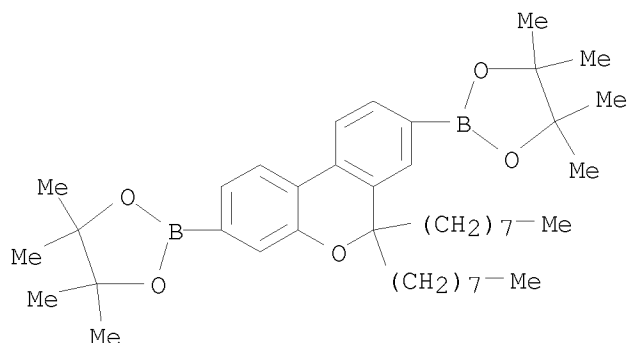
CMF C56 H62 Br2 O2 S5



CM 2

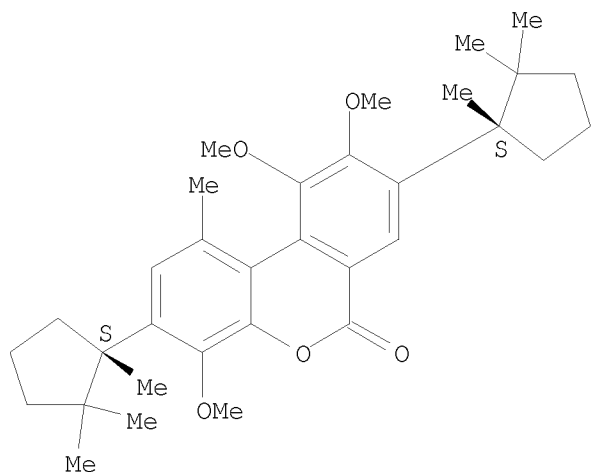
CRN 688013-75-4

CMF C41 H64 B2 O5



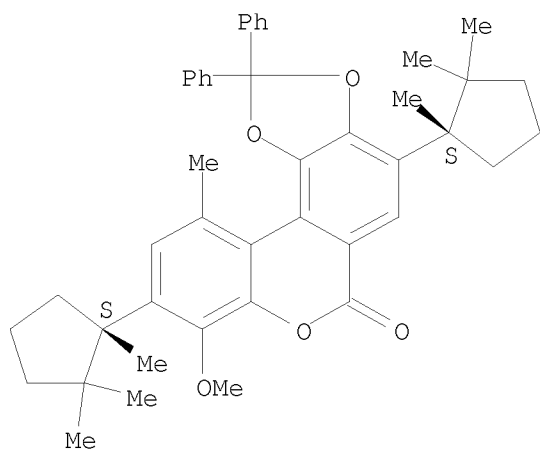
L10 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2008:1383566 CAPLUS
 DOCUMENT NUMBER: 149:555080
 TITLE: The intramolecular Heck reaction
 AUTHOR(S): Link, J. T.
 CORPORATE SOURCE: Abbott Laboratories, Abbott Park, IL, USA
 SOURCE: Organic Reactions (Hoboken, NJ, United States) (2002),
 60, No pp. given
 CODEN: ORHNBA
 URL: <http://www3.interscience.wiley.com/cgi-bin/mrwhome/107610747/HOME>
 PUBLISHER: John Wiley & Sons, Inc.
 DOCUMENT TYPE: Journal; General Review; (online computer file)
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 149:555080
 AB A review of the article The intramol. Heck reaction.
 IT 304859-78-7P 304859-85-6P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (The Intramol. Heck Reaction)
 RN 304859-78-7 CAPLUS
 CN 6H-Dibenzo[b,d]pyran-6-one, 4,9,10-trimethoxy-1-methyl-3,8-bis[(1S)-1,2,2-trimethylcyclopentyl]- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RN 304859-85-6 CAPLUS
 CN 6H-[1]Benzopyrano[4,3-e]-1,3-benzodioxol-6-one,
 8-methoxy-11-methyl-2,2-diphenyl-4,9-bis[(1S)-1,2,2-trimethylcyclopentyl]-
 (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



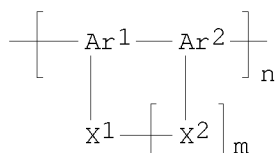
OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
 (1 CITINGS)

L10 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2006:99991 CAPLUS
 DOCUMENT NUMBER: 144:172274
 TITLE: Polymeric compounds for thin polymer film devices
 INVENTOR(S): Ueda, Masato
 PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan
 SOURCE: PCT Int. Appl., 72 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent

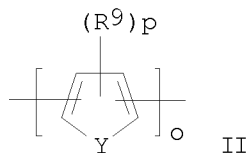
LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006011643	A1	20060202	WO 2005-JP14156	20050727
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
JP 2006063334	A	20060309	JP 2005-217025	20050727
DE 112005001823	T5	20070606	DE 2005-112005001823	20050727
GB 2432837	A	20070606	GB 2007-3688	20050727
GB 2432837	B	20080820		
CN 1989169	A	20070627	CN 2005-80025103	20050727
US 20080003422	A1	20080103	US 2007-572513	20070123
KR 2007047314	A	20070504	KR 2007-704336	20070223
PRIORITY APPLN. INFO.:			JP 2004-223441	A 20040730
			WO 2005-JP14156	W 20050727

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
 GI



I



II

AB Title polymeric compds. with number average mol. weight 103-108 comprise repeating units I and II, wherein Ar1, Ar2 = independently trivalent aromatic hydrocarbon group or trivalent heterocyclic group; X1, X2 = independently O, S, C(:O), S(:O), or SO2 (X1 ≠ X2); Y = O or S; R9 = halogen, alkyl, or alkyloxy; m = 0 or 1; n, o = 1-6 integer; and p = 0-2 integer. Thus, 6.65 g 2,7-dibromofluorenone was dissolved in 140 mL 1:1 mixture of trifluoroacetic acid/chloroform, sodium perborate monohydrate was added therein, stirred for 20 h, 1.00 g of the resulting 3,8-dibromo-6H-dibenzo[b,d]pyran-6-one was stirred with octyl magnesium bromide, ring-closed with p-toluenesulfonic acid monohydrate, and reacted with bis(pinacolato)diborane to give 6,6-dioctyl-3,8-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-6H-dibenzo[b,d]pyran, 0.62 g of which was reacted with 0.29 g 5,5'-dibromo-2,2'-bithiophene in the presence of tetrakis(triphenylphosphine)palladium for 16.3 h to give a copolymer, 0.2%

solution of the resulting copolymer in chloroform was applied on a poly(3,4-ethylenedioxythiophene)/polystyrenesulfonic acid-coated ITO/glass plate, lithium fluoride, calcium, and aluminum were deposited thereon in this order to give a thin film device, showing short-circuit current 43 $\mu\text{A}/\text{cm}^2$ and open circuit voltage 1.75 V.

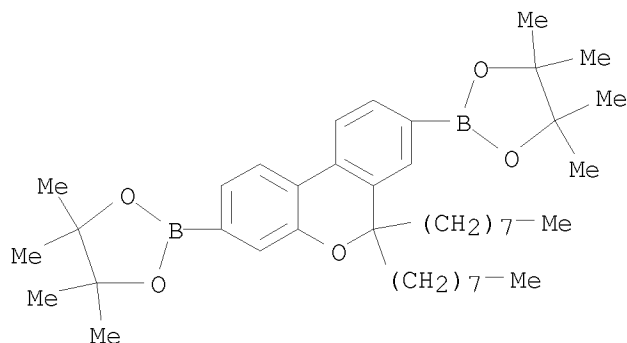
IT 688013-75-4P

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(monomer; polymeric compds. for thin polymer film devices)

RN 688013-75-4 CAPLUS

CN 6H-Dibenzo[b,d]pyran, 6,6-dioctyl-3,8-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)- (CA INDEX NAME)



IT 874657-12-2P 874657-15-5P

RL: DEV (Device component use); IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(polymeric compds. for thin polymer film devices)

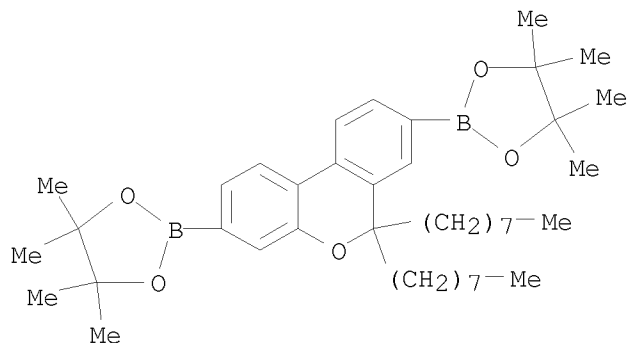
RN 874657-12-2 CAPLUS

CN 6H-Dibenzo[b,d]pyran, 6,6-dioctyl-3,8-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-, polymer with 5,5'-dibromo-2,2'-bithiophene (9CI) (CA INDEX NAME)

CM 1

CRN 688013-75-4

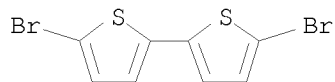
CMF C41 H64 B2 O5



CM 2

CRN 4805-22-5

CMF C8 H4 Br2 S2



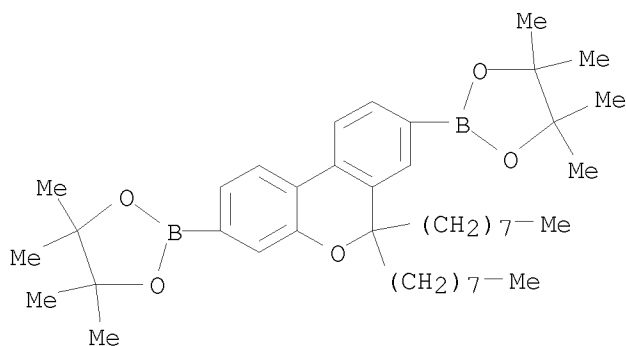
RN 874657-15-5 CAPLUS

CN 6H-Dibenzo[b,d]pyran, 6,6-dioctyl-3,8-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-, polymer with 2,2'-(1,2-ethenediyl)bis[5-bromothiophene] (9CI) (CA INDEX NAME)

CM 1

CRN 688013-75-4

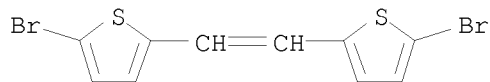
CMF C41 H64 B2 O5



CM 2

CRN 374684-22-7

CMF C10 H6 Br2 S2

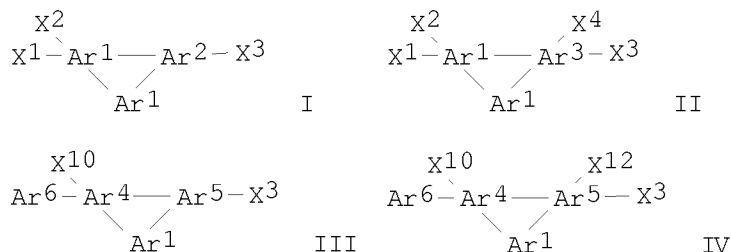


OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (10 CITINGS)
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2005:324147 CAPLUS

DOCUMENT NUMBER: 142:392812
 TITLE: Aromatic compounds having condensatable functional groups useful as monomers
 INVENTOR(S): Kobayashi, Satoshi; Mikami, Satoshi
 PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan
 SOURCE: PCT Int. Appl., 91 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005033090	A1	20050414	WO 2004-JP15001	20041005
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
JP 2005132829	A	20050526	JP 2004-292337	20041005
US 20070063190	A1	20070322	US 2006-574563	20060404
PRIORITY APPLN. INFO.:			JP 2003-346688	A 20031006
			WO 2004-JP15001	W 20041005
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT				
OTHER SOURCE(S):			MARPAT 142:392812	
GI				



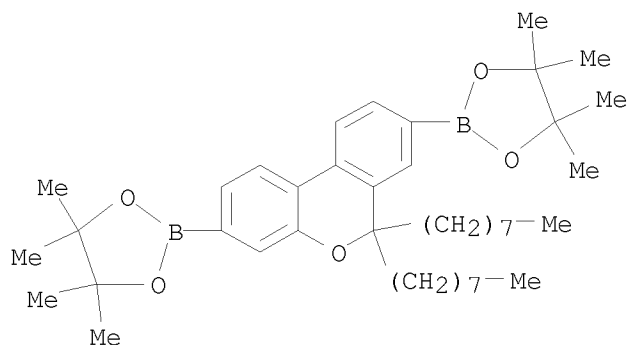
AB The present invention relates to aromatic compds. I, II, III, and IV, wherein Ar1, Ar3 = tetravalent aromatic hydrocarbon or tetravalent heterocyclic group; Ar2, Ar4, Ar5, Ar6, Ar7 = trivalent aromatic hydrocarbon or trivalent heterocyclic group; A1 = Z1, Z2Z3 or Z4:Z5; Z1, Z2, Z3 = O or S; Z4, Z5 = N, B, or P; and X1, X2, X3, X4, X9, X10, X11, X12 = halogen atom. Thus, 7.0 g 2,2',5,5'-tetramethoxy-1,1'-biphenyl was reacted with 6.8 g N-chlorosuccinimide, treated with boron tribromide, 4.8 g of the resulting 4,4'-dichloro-2,2',5,5'-tetrahydroxy-1,1'-biphenyl was treated with o-dichlorobenzene for 13 h to give 3,7-dichloro-2,8-dibenzofurandiyl.

IT 688013-75-4

RL: RCT (Reactant); RACT (Reactant or reagent)
(aromatic compds. having condensationable functional groups useful as monomers)

RN 688013-75-4 CAPLUS

CN 6H-Dibenzo[b,d]pyran, 6,6-dioctyl-3,8-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)- (CA INDEX NAME)

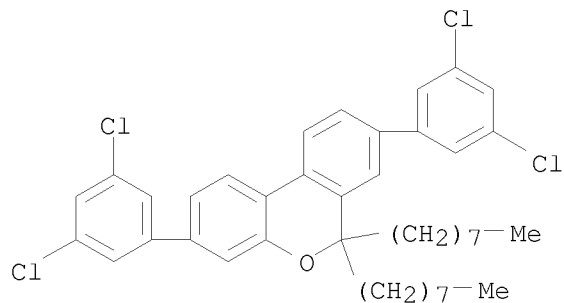


IT 849693-49-8P

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(monomer; aromatic compds. having condensationable functional groups useful as monomers)

RN 849693-49-8 CAPLUS

CN 6H-Dibenzo[b,d]pyran, 3,8-bis(3,5-dichlorophenyl)-6,6-dioctyl- (CA INDEX NAME)



REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2004:1128942 CAPLUS

DOCUMENT NUMBER: 142:82001

TITLE: Color conversion film for organic electroluminescent device

INVENTOR(S): Iimura, Kiyotoshi; Doi, Shuji

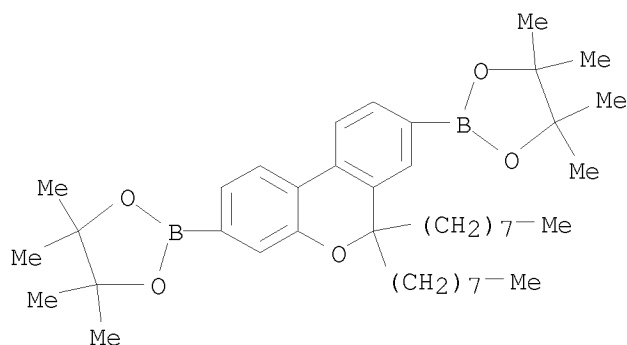
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 24 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

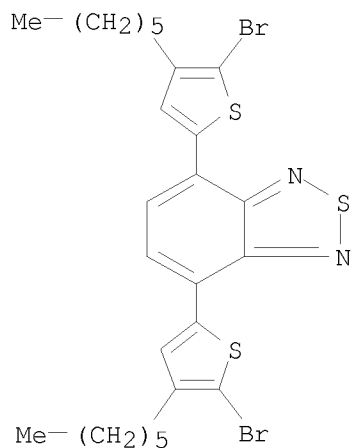
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004362910	A	20041224	JP 2003-159000	20030604
PRIORITY APPLN. INFO.:			JP 2003-159000	20030604
AB The invention relates to a color conversion film, suited for use in an organic electroluminescent device, comprising a fluorescent and/or phosphorescent conjugated polymer.				
IT 811819-84-8				
RL: DEV (Device component use); USES (Uses) (color conversion film for organic electroluminescent device)				
RN 811819-84-8 CAPLUS				
CN 2,1,3-Benzothiadiazole, 4,7-bis(5-bromo-4-hexyl-2-thienyl)-, polymer with 6,6-dioctyl-3,8-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-6H-dibenzo[b,d]pyran (9CI) (CA INDEX NAME)				
CM 1				
CRN 688013-75-4				
CMF C41 H64 B2 O5				



CM 2

CRN 444579-39-9

CMF C26 H30 Br2 N2 S3



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
(1 CITINGS)

L10 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2004:392502 CAPLUS

DOCUMENT NUMBER: 140:415047

TITLE: High-molecular compounds and polymer light-emitting devices made by using the same

INVENTOR(S): Doi, Shuji; Kobayashi, Satoshi; Noguchi, Takanobu

PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan

SOURCE: PCT Int. Appl., 131 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

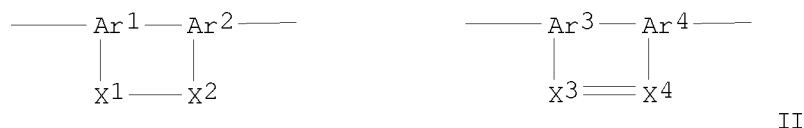
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004039859	A1	20040513	WO 2003-JP12697	20031003
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
JP 2004168999	A	20040617	JP 2003-343244	20031001
AU 2003268752	A1	20040525	AU 2003-268752	20031003
EP 1571170	A1	20050907	EP 2003-748697	20031003
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
US 20080138651	A1	20080612	US 2005-532937	20050428
JP 2009215557	A	20090924	JP 2009-67794	20090319
PRIORITY APPLN. INFO.:			JP 2002-315516	A 20021030

JP 2003-343244 A3 20031001
WO 2003-JP12697 W 20031003

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 140:415047

GI



AB The invention relates to a high-mol. compds. comprising repeating units represented by the general formula I or II and having number-average mol. wts. of

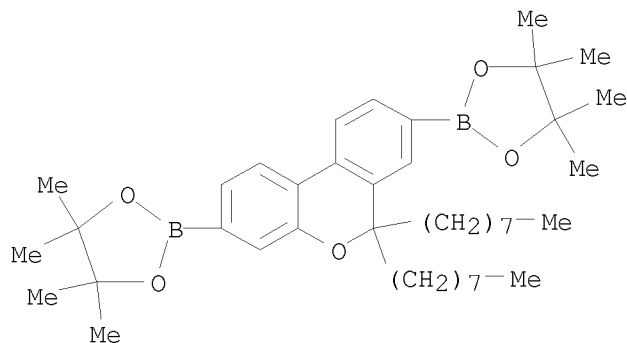
103-108 in terms of polystyrene: (1) [wherein Ar¹ and Ar² are each independently a trivalent aromatic hydrocarbon group or a trivalent heterocyclic group; and X¹ and X² are each independently O, S, C(=O), S(=O), SO₂, C(R¹)(R²), Si(R³)(R⁴), N(R⁵), B(R⁶), P(R⁷), or P(=O)(R⁸), with the provisos that X¹ and X² must not be the same and that X¹ and Ar² are bonded resp. to the adjacent carbon atoms constituting the aromatic ring of Ar¹, and X² and Ar¹ are bonded resp. to the adjacent carbon atoms constituting the aromatic ring of Ar²] (2) [wherein Ar³ and Ar⁴ are each independently a trivalent aromatic hydrocarbon group or a trivalent heterocyclic group; and X³ and X⁴ are each independently N, B, P, C(R⁹), or Si(R¹⁰), with the provisos that X³ and X⁴ must not be the same and that X³ and Ar⁴ are bonded resp. to the adjacent carbon atoms constituting the aromatic ring of Ar³, and X⁴ and Ar³ are bonded resp. to the adjacent carbon atoms constituting the aromatic ring of Ar⁴].

IT 688013-75-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(high-mol. compds. and polymer light emitting devices made by using the same)

RN 688013-75-4 CAPLUS

CN 6H-Dibenzo[b,d]pyran, 6,6-dioctyl-3,8-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)- (CA INDEX NAME)



OS.CITING REF COUNT: 9 THERE ARE 9 CAPLUS RECORDS THAT CITE THIS RECORD

(21 CITINGS)
 REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

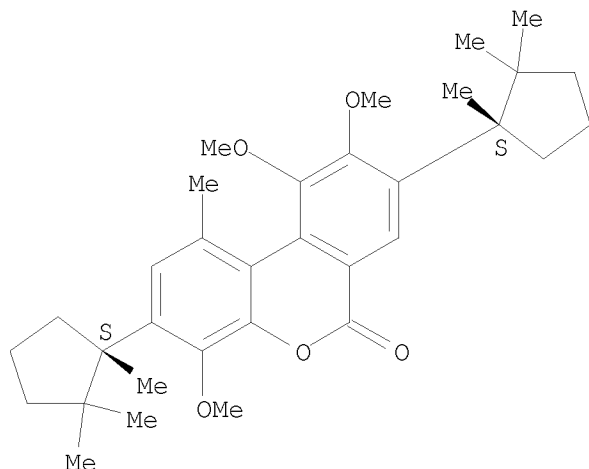
L10 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2000:621158 CAPLUS
 DOCUMENT NUMBER: 133:350356
 TITLE: Nondynamic and Dynamic Kinetic Resolution of Lactones
 with Stereogenic Centers and Axes: Stereoselective
 Total Synthesis of Herbertenediol and Mastigophorenes
 A and B
 AUTHOR(S): Bringmann, Gerhard; Pabst, Thomas; Henschel, Petra;
 Kraus, Juergen; Peters, Karl; Peters, Eva-Maria;
 Rycroft, David S.; Connolly, Joseph D.
 CORPORATE SOURCE: Institut fuer Organische Chemie, Universitaet
 Wuerzburg, Wuerzburg, D-97074, Germany
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 PUBLISHER: American Chemical Society
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* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The stereoselective total synthesis of the sesquiterpene herbertenediol
 and of its naturally occurring dimers, mastigophorenes A [(P)-I] and B
 [(M)-isomer], is described. Following the "lactone concept", the
 configuration at the biaryl axis was atropo-divergently induced to be P
 or, optionally, M, by stereocontrolled reductive ring cleavage
 (diastereomeric ratio up to 97:3) of the configurationally unstable joint
 biaryl lactone precursor II using the oxazaborolidine-borane system,
 through dynamic kinetic resolution Mechanistic considerations of the lactone
 coupling suggested interference by a methoxy group next to the halogen
 substituent and led to an improvement of the coupling yield from 39 to 87%
 to give the lactone III. As a new, likewise highly efficient variant of
 the lactone method, we report for the first time the-now
 nondynamic-kinetic resolution of a structurally related, but centrochiral
 "aliphatic-aromatic" lactone, (rac)-IV. Its highly efficient (k_{rel} > 300)
 enantiomer-differentiating Corey-Bakshi-Shibata reduction delivers the
 centrochiral building block (R,R)-IV in good chemical yield and with
 excellent stereochem. purity (enantiomeric excess > 99.9%; enrichment of
 the starting material). The new synthesis of natural herbertenediol
 confirms its absolute stereostructure as well as that of its dimers,
 mastigophorenes A and B.
 IT 304859-78-7P 305846-95-1P
 RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP
 (Preparation); RACT (Reactant or reagent)
 (nondynamic and dynamic kinetic resolution of lactones with stereogenic
 centers and axes in stereoselective total synthesis of herbertenediol
 and mastigophorenes A and B)
 RN 304859-78-7 CAPLUS

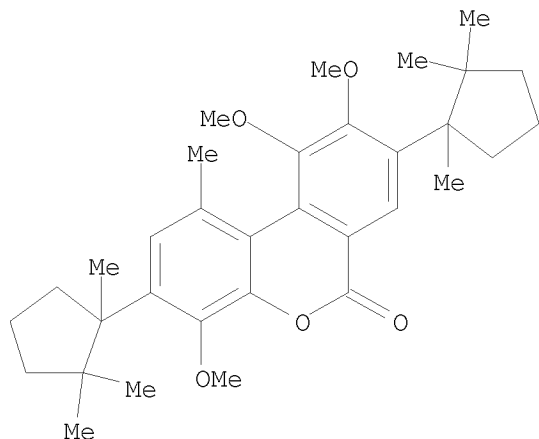
CN 6H-Dibenzo[b,d]pyran-6-one, 4,9,10-trimethoxy-1-methyl-3,8-bis[(1S)-1,2,2-trimethylcyclopentyl]- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RN 305846-95-1 CAPLUS

CN 6H-Dibenzo[b,d]pyran-6-one, 4,9,10-trimethoxy-1-methyl-3,8-bis[(1S)-1,2,2-trimethylcyclopentyl]-, (3S)- (9CI) (CA INDEX NAME)



IT 304859-85-6P

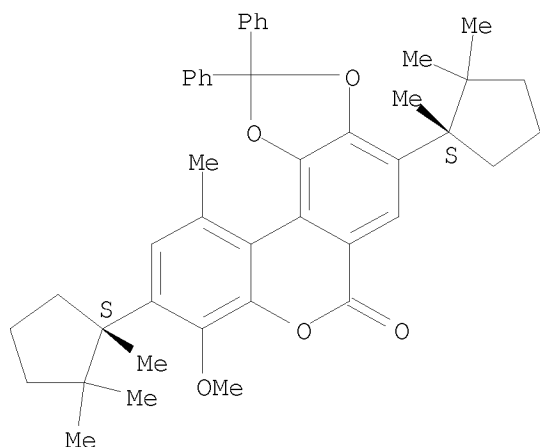
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(nondynamic and dynamic kinetic resolution of lactones with stereogenic centers and axes in stereoselective total synthesis of herbertenediol and mastigophorenes A and B)

RN 304859-85-6 CAPLUS

CN 6H-[1]Benzopyrano[4,3-e]-1,3-benzodioxol-6-one, 8-methoxy-11-methyl-2,2-diphenyl-4,9-bis[(1S)-1,2,2-trimethylcyclopentyl]- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



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 RECORD (55 CITINGS)
 REFERENCE COUNT: 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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SINCE FILE	TOTAL
ENTRY	SESSION
52.79	246.51

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-7.65	-7.65

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